

PATENT COOPERATION TREATY

Rec'd PCT/PTO 18 JAN 2005

10/521402
PCT

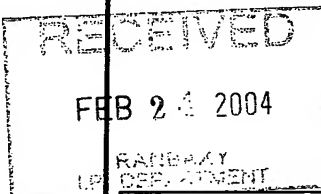
From the INTERNATIONAL SEARCHING AUTHORITY

To:

RANBAXY LABORATORIES LIMITED
Attn. Deshmukh, Jay R.
600 College Road East, Suite 2100
Princeton, New Jersey 08540
UNITED STATES OF AMERICA

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)



Date of mailing
(day/month/year) 20/02/2004

Applicant's or agent's file reference

RLL - 274WO

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.

PCT/IB 03/02838

International filing date

(day/month/year) 17/07/2003

Applicant

RANBAXY LABORATORIES LIMITED

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Sandrine Polenzani

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments and any accompanying statement, under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the time of filing the amendments (and any statement) with the International Bureau, also file with the International Preliminary Examining Authority a copy of such amendments (and of any statement) and, where required, a translation of such amendments for the procedure before that Authority (see Rules 55.3(a) and 62.2, first sentence). For further information, see the Notes to the demand form (PCT/IPEA/401).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference RLL-274WO	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. PCT/IB 03/02838	International filing date (day/month/year) 17/07/2003	(Earliest) Priority Date (day/month/year) 19/07/2002
Applicant RANBAXY LABORATORIES LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 09 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☒ **Unity of invention is lacking** (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No.

IB 03/02838

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/4045 A61K9/20 A61K9/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X D1	WO 01/037816 A (BIOCHEMIE GMBH ; ENTNER REINHARD (AT); JENNEWEIN HERWIG (AT)) 31 May 2001 (2001-05-31) cited in the application the whole document example 1 page 2, lines 4-15	1,3-17, 23, 46-49, 52-54
X 102	EP 0 503 440 A (GLAXO GROUP LTD) 16 September 1992 (1992-09-16) the whole document example 1 page 2, lines 32-44 page 3, lines 3-31 page 3, line 5355 -/--	1,3-17, 23, 46-49, 52-54

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

17 November 2003

Date of mailing of the international search report

20.02.2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Luangkhot, N

INTERNATIONAL SEARCH REPORT

International Application No.

IB 03/02838

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	& US 5 863 559 A 26 January 1999 (1999-01-26) cited in the application -----	
X D3	WO 01/003672 A (BRUNA ETIENNE ;PROGRAPHARM LAB (FR); CHAUVEAU CHARLES (FR); NOURI) 18 January 2001 (2001-01-18) the whole document example 1 page 1, lines 26-30 page 3, lines 1-26 page 5, lines 16,17 page 11, lines 6-15 claims 1-21 -----	1,3-17, 23, 46-49, 52-54
P,X D4	WO 03/053402 A (COX STEVE R ;HEIMLICH JOHN M (US); JOHN LEE E (US); NOACK ROBERT M) 3 July 2003 (2003-07-03) the whole document page 4, lines 27-34 page 11, lines 6-24 examples 1-3 claims 1-4,8-17 -----	1,3-17, 23, 46-49, 52-54
E D5	WO 03/075893 A (ROSENBERGER VERED ;AQUA OFER (IL); TEVA PHARMA (IL); LERNER E ITZH) 18 September 2003 (2003-09-18) the whole document page 1, lines 12-15 page 4, lines 1-11 page 37; example 5 claims 1,2,4,32-39 -----	1,3-17, 23, 46-49, 52-54
A DL	WO 98/06932 A (ADVANCED ENGINE TECH PTY LTD ;MANTHEY STEVEN CHARLES (AU)) 19 February 1998 (1998-02-19) the whole document -----	1
A D7	WO 00/48583 A (POZEN INC) 24 August 2000 (2000-08-24) the whole document -----	1

INTERNATIONAL SEARCH REPORT



International application No.
PCT/IB 03/02838

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 2, 18-22, 28-30
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 52-54 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☒ Claims Nos.: 2, 18-22, 28-30
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1, 3-17, 23, 46-49, 52-54

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Claims Nos.: 2,18-22,28-30

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

Continuation of Box I.2

Claims Nos.: 2,18-22,28-30

Claims 2,18-22 and 28-30 do not meet the requirement of Art.6 PCT for lack of clarity because they are directed to a subject-matter (process comprising further the step of polishing the tablet with wax) which is in contradiction with the subject-matter of their independent claims (process of producing uncoated tablet), namely inventions 1 and 3.

The step of wax polishing in claims 2,18-22 and 28-30 belongs in fact to the subject-matter of invention 2, which will be searched when the fees are paid. Therefore even if they depend prima facie on claims 1 or 24, they will not be searched within the frame of the search of the first invention.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 3-17, 23, 46-49, 52-54

Process for manufacturing a sumatriptan tablet comprising:
1/ manufacturing granules of sumatriptan with diluents or binders
2/ mixing the obtained granules with other excipients in order to obtain a mixture or an extragranular portion
3/ compressing the product of step 2 in order to form a tablet

2. claims: 37-44, 45, 50-51

Process for manufacturing a sumatriptan dosage form comprising wax polishing the dosage form

3. claims: 24-25, 26-27, 31-36

Process for manufacturing a sumatriptan tablet comprising:
1/ spraying a solution or suspension of sumatriptan onto inert cores, and optionally further spraying a solution of binders or diluents onto the cores having the first layer (claims 26-27)
2/ mixing the product of step 1 with other excipients in order to form a mixture
3/ compressing the mixture to form a tablet

INTERNATIONAL SEARCH REPORT

tion on patent family members

International Application No

IB 03/02838

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5863559	A		AT 165973 T AU 1326492 A BE 1005086 A5 CH 684242 A5 CY 2011 A DE 69225421 D1 DE 69225421 T2 DK 503440 T3 WO 9215295 A1 EP 0503440 A1 ES 2117015 T3 FR 2673538 A1 GB 2254784 A , B HK 19395 A IE 920726 A1 IL 101162 A IT 1271495 B MX 9200992 A1 NL 9200423 A NZ 241873 A OA 9812 A SG 169294 G ZA 9201690 A	15-05-1998 06-10-1992 13-04-1993 15-08-1994 20-02-1998 18-06-1998 15-10-1998 18-01-1999 17-09-1992 16-09-1992 01-08-1998 11-09-1992 21-10-1992 17-02-1995 09-09-1992 20-11-1997 30-05-1997 01-09-1992 01-10-1992 27-06-1994 15-04-1994 28-04-1995 02-08-1993
WO 0103672	A	18-01-2001	FR 2795962 A1 AU 760006 B2 AU 5993600 A BG 106398 A BR 0012250 A CA 2375600 A1 CN 1373658 T CZ 20020018 A3 EA 3161 B1 EP 1194125 A1 WO 0103672 A1 HU 0202062 A2 JP 2003504324 T NO 20016308 A NZ 516594 A SK 19392001 A3 TR 200200013 T2 US 2002098227 A1 ZA 200200344 A	12-01-2001 08-05-2003 30-01-2001 30-09-2002 26-03-2002 18-01-2001 09-10-2002 17-04-2002 27-02-2003 10-04-2002 18-01-2001 28-12-2002 04-02-2003 21-12-2001 28-11-2003 04-04-2002 21-06-2002 25-07-2002 15-01-2003
WO 03053402	A	03-07-2003	WO 03053402 A1 US 2003133982 A1 WO 03053420 A1 US 2003129236 A1	03-07-2003 17-07-2003 03-07-2003 10-07-2003
WO 03075893	A	18-09-2003	WO 03057136 A2 WO 03075893 A1 US 2003206954 A1	17-07-2003 18-09-2003 06-11-2003
WO 9806932	A	19-02-1998	AU 713036 B2 AU 3689597 A WO 9806932 A1 BG 63578 B1 BG 103157 A	18-11-1999 06-03-1998 19-02-1998 31-05-2002 30-09-1999

INTERNATIONAL SEARCH REPORT

on on patent family members

International Application No

IB 03/02838

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9806932	A	BR 9711049 A	17-08-1999
		CA 2263332 A1	19-02-1998
		CN 1255184 A ,B	31-05-2000
		CZ 9900426 A3	16-06-1999
		EA 1670 B1	25-06-2001
		EP 0917617 A1	26-05-1999
		HK 1028093 A1	01-08-2003
		HU 9903167 A2	28-02-2000
		IL 128422 A	23-05-2002
		JP 2000516316 T	05-12-2000
		KR 2000029881 A	25-05-2000
		NO 990584 A	09-04-1999
		NZ 334134 A	29-04-1999
		PL 331510 A1	19-07-1999
		US 6155214 A	05-12-2000
WO 0048583	A	AU 3596500 A	04-09-2000
	24-08-2000	WO 0048583 A2	24-08-2000
		US 6586458 B1	01-07-2003

INTERNATIONAL SEARCH REPORT

ion on patent family members

ational Application No

IB 03/02838

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0137816	A	31-05-2001	AU 2358501 A BR 0015449 A CA 2387575 A1 CN 1391465 T CZ 20021765 A3 WO 0137816 A2 EP 1231903 A2 HU 0204072 A2 JP 2003514848 T NO 20022362 A SK 6962002 A3 TR 200201028 T2	04-06-2001 09-07-2002 31-05-2001 15-01-2003 14-08-2002 31-05-2001 21-08-2002 28-05-2003 22-04-2003 11-07-2002 08-10-2002 21-10-2002
EP 0503440	A	16-09-1992	AT 165973 T AU 663303 B2 AU 1326492 A BE 1005086 A5 CA 2105180 A1 CH 684242 A5 CZ 9301849 A3 CY 2011 A DE 69225421 D1 DE 69225421 T2 DK 503440 T3 WO 9215295 A1 EP 0503440 A1 ES 2117015 T3 FR 2673538 A1 GB 2254784 A , B HK 19395 A IE 920726 A1 IL 101162 A IT 1271495 B JP 2986546 B2 JP 6505020 T KR 202042 B1 MX 9200992 A1 NL 9200423 A NZ 241873 A OA 9812 A RU 2098093 C1 SG 169294 G US 2002197318 A1 US 6020001 A US 5863559 A US 6368627 B1 ZA 9201690 A	15-05-1998 05-10-1995 06-10-1992 13-04-1993 09-09-1992 15-08-1994 15-06-1994 20-02-1998 18-06-1998 15-10-1998 18-01-1999 17-09-1992 16-09-1992 01-08-1998 11-09-1992 21-10-1992 17-02-1995 09-09-1992 20-11-1997 30-05-1997 06-12-1999 09-06-1994 15-06-1999 01-09-1992 01-10-1992 27-06-1994 15-04-1994 10-12-1997 28-04-1995 26-12-2002 01-02-2000 26-01-1999 09-04-2002 02-08-1993
US 5863559	A	26-01-1999	US 2002197318 A1 US 6020001 A US 6368627 B1 AU 663303 B2 CA 2105180 A1 CZ 9301849 A3 JP 2986546 B2 JP 6505020 T KR 202042 B1 RU 2098093 C1	26-12-2002 01-02-2000 09-04-2002 05-10-1995 09-09-1992 15-06-1994 06-12-1999 09-06-1994 15-06-1999 10-12-1997